

Bulk Density Container (7 dm³)

Cylindrical Bulk Density Measure for Aggregates, Sand & Granular Materials



GENERAL INFORMATION

Equipment Name	Bulk Density Container
Capacity	7 dm ³ (7 Liters)
Type	Cylindrical Bulk Density Measure
Application	Determination of bulk density, unit weight, and void content of aggregates, sand, gravel, and other granular materials
Standards Compliance	ASTM International – Bulk Density (Unit Weight) and Voids in Aggregate; AASHTO – Bulk Density (Unit Weight) and Voids in Aggregate

CAPACITY & DIMENSIONS

Internal Dimensions

Nominal Capacity	7 dm ³ (0.007 m ³)
Internal Diameter	Approximately 210 mm
Internal Height	Approximately 202 mm

External Dimensions

External Diameter	220 mm
External Height	215 mm
Wall Thickness	3 mm

CONSTRUCTION DETAILS

Material	Steel / Stainless Steel (SS304)
Construction	Seamless welded cylindrical measure

Base	Heavy-duty flat steel base
Finish	Powder-coated (MS) or polished (SS)

DIMENSIONAL ACCURACY

Volume Tolerance	±0.5%
Diameter Tolerance	±1 mm
Height Tolerance	±1 mm
Calibration	Verified volumetric capacity

MECHANICAL SPECIFICATIONS

Container Shape	Cylindrical
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Approximate Weight	5–8 kg
Top Rim	Machined smooth edge
Handles	Two side carrying handles

SURFACE FINISH

- Smooth internal surface for easy discharge of material
- Corrosion-resistant exterior finish
- Fully welded leak-proof construction

SAFETY FEATURES

- Rounded edges for operator safety
- Reinforced base for stability
- Corrosion-resistant construction
- Easy cleaning and maintenance

OPTIONAL FEATURES

- Stainless Steel SS304 construction
- Traceable calibration certificate
- Engraved identification plate
- NABL-accredited calibration report
- Custom capacities available

DESIGN NOTES

- Manufactured to provide a precise and stable volume for aggregate bulk density determination
- Suitable for laboratory and field quality-control testing
- Heavy-duty construction ensures dimensional stability during routine use
- Complies with ASTM C29/C29M and AASHTO T19/T19M requirements for aggregate density

Specifications are subject to change without prior notice. For quotations, drawings, or technical clarification, please contact Falcon Core Industries L.L.C.